



四川青益纯医药科技有限公司  
SICHUAN BENEPURE PHARMACEUTICAL CO.,LTD.

Tel: +86 28 8679 9990  
Email: [info@benepure.com](mailto:info@benepure.com)

Fax: +86 28 8679 9924  
Website: [www.benepure.com](http://www.benepure.com)

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Echinacea Extract	<b>Code</b>	BPBE-649-E
<b>Botanical Source</b>	Echinacea Purpurea L.	<b>Used Part</b>	Whole herb
<b>Batch No.</b>	H020964917E	<b>Mfg. Date</b>	Sep. 14, 2017
<b>Packing</b>	25kg/Drum	<b>Retest Date</b>	Sep. 13, 2019
<b>Quantity</b>	500kg	<b>Report Date</b>	Sep. 20, 2017
<b>Specification</b>	Polyphenols 4%(HPLC), USP, EP, extracted by Ethanol & Water		

ITEM	SPECIFICATION	RESULT
<b>Assay(HPLC):</b>		
Polyphenols	≥4.0%	4.09%
Chicoric acid	As report	2.25%
Echinacoside	As report	0.11%
Caftaric acid	As report	1.72%
Chlorogenic acid	As report	0.016%
<b>Appearance</b>	Brown yellow fine powder	Complies
<b>Odor</b>	Characteristic	Complies
<b>Particle Size</b>	100% pass 80 mesh	Complies
<b>Loss on Drying</b>	≤5.0%	3.64%
<b>Acid-insoluble Ash</b>	≤5.0%	3.61%
<b>Heavy Metals</b>	≤10ppm	Complies
-Pb	≤2ppm	Complies
-As	≤2ppm	Complies
<b>Total Plate Count</b>	≤1000cfu/g	Complies
-Yeast & Mold	≤100cfu/g	Complies
-E.Coli	Negative	Negative
-Salmonella	Negative	Negative
<b>Conclusion</b>	Comply with the specification.	
<b>Storage</b>	Preserve in tight containers, protected from strong light and high heat. Store in dry cool place.	

Analyst:

QC Manager:

QA:

*Benepure—Natural Ingredients Specialist.*

Add.: 99# Jirui 3<sup>rd</sup> Road, High Tech District, Chengdu, Sichuan Prov., China 610095  
地址: 四川省成都市高新区吉瑞三路 99 号, 邮编 610095